

1 **Amendments to the Claims:**

2 This listing of claims will replace all prior versions, and listings, of claims in the application:

3
4 **Listing of Claims:**

5 1. (currently amended) A method of attachment of a coaxial cable to a coaxial
6 connector, the coaxial cable having an outer diameter, the method comprising the steps of:

- 7 a) inserting an end portion of said cable through a back nut of said connector, said
8 cable having an outer conductor;
- 9 b) flaring an end portion of said outer conductor to form a flared portion of the
10 outer conductor, the length of said flared portion being smaller than the outer diameter of said
11 coaxial cable, said cable having been inserted through said back nut;
- 12 c) attaching said cable and said back nut to inner and outer terminals of said
13 connector, said cable having been inserted through said back nut; and
- 14 d) securing said end portion of said outer conductor between abutting faces of said
15 outer terminal and said back nut, said step of securing comprising axially
16 displacing said back nut towards said outer terminal.

17 2. (original) The method of Claim 1, further comprising the step of cleaning said end
18 portion of said outer conductor.

19 3. (original) The method of Claim 1, said cable having an insulating jacket, further
20 comprising the step of removing a portion of said insulating jacket from said end portion of said
21 cable.

22 4. (original) The method of Claim 1, said cable having a dielectric, further comprising
23 the step of removing a portion of said dielectric from said end portion of said cable.

24
25 5. (original) The method of Claim 1, further comprising the step of fastening said back
26 nut to said outer terminal.

1 6. (currently amended) The method of Claim 1, said step of flaring further comprising
2 shaping said end portion of said outer conductor to correspond with said abutting faces of either
3 said outer terminal or said back nut, or a combination thereof.

4
5 7. (currently amended) A coaxial connector for attachment to a coaxial cable, the
6 coaxial cable including an outer conductor, the outer conductor of the coaxial cable having a
7 predetermined outer diameter, the coaxial connector comprising:

8 an outer terminal having front and back opposing ends, the back end of said outer
9 terminal including a first angled contact face integral with said outer terminal; and

10 a back nut releasably attachable to the back end of said outer terminal and extending
11 around the back end of said outer terminal, and axially displaceable with respect to said outer
12 terminal, the back nut including a second angled contact face integral with said back nut, the
13 back nut including an internal bore extending therethrough for allowing passage of the coaxial
14 cable therethrough, at least a portion of the internal bore having a predetermined internal
15 diameter commensurate with the predetermined outer diameter of the outer conductor of the
16 coaxial cable,

17 [said back nut and outer terminal including corresponding contact faces which are
18 angled and] wherein said first angled contact face and said second angled contact face form a
19 clamping site therebetween, said clamping site being tightened as said back nut is axially
20 displaced with respect to said outer terminal, wherein said first angled contact face has a length
21 that is shorter than said predetermined internal diameter, and wherein said second angled
22 contact face has a length that is shorter than said predetermined internal diameter.

23 8. (original) The connector of Claim 7 wherein said clamping site is adapted for
24 clamping a portion of a cable conductor.

25 9. (original) The connector of Claim 8 wherein a mechanical connection between said
26 cable and said connector is established via said clamping site.

27 10. (original) The connector of Claim 8, wherein said cable is either corrugated or
28 smooth.

1 11. (currently amended) A coaxial connector for attachment to a coaxial cable, the
2 coaxial cable including an outer conductor, the outer conductor of the coaxial cable having a
3 predetermined outer diameter, the coaxial connector comprising:

4 an outer terminal having front and back opposing ends, the back end of said outer
5 terminal including a first angled contact face integral with said outer terminal;

6 a back nut releasably attachable to the back end of said outer terminal and extending
7 around the back end of said outer terminal, and axially displaceable with respect to said outer
8 terminal, the back nut including a second angled contact face integral with said back nut, the
9 back nut including an internal bore extending therethrough for allowing passage of the coaxial
10 cable therethrough, at least a portion of the internal bore having a predetermined internal
11 diameter commensurate with the predetermined outer diameter of the outer conductor of the
12 coaxial cable; and

13 [means for clamping a portion of a cable conductor, said means for clamping consisting
14 of a contact face on said back nut,]

15 [a contact face on said outer terminal,] said first and second angled contact faces [being
16 angled and] forming an angled gap therebetween for clamping a portion of the outer conductor
17 of the coaxial cable therebetween, wherein said gap decreases as said back nut is axially
18 displaced towards said outer terminal, and increases as said back nut is axially displaced away
19 from said outer terminal, and wherein said first angled contact face has a length that is shorter
20 than said predetermined internal diameter, and wherein said second angled contact face has a
21 length that is shorter than said predetermined internal diameter.

22 12. (new) A method of attaching a coaxial connector to an end of a coaxial cable, the
23 coaxial connector including a removable back nut, a center conductor and an outer body, the
24 outer body comprising an integral clamping surface, the coaxial cable including an inner
25 conductor, a dielectric surrounding the inner conductor, an outer conductor surrounding the
26 dielectric, and a jacket surrounding the outer conductor, the jacket having an outer diameter, the
27 outer conductor having opposing inner and outer surfaces, said method comprising the steps of:

28 a. preparing the end of the coaxial cable by:

- i. removing a portion of the dielectric, outer conductor, and jacket from the inner conductor to expose a portion of the inner conductor extending beyond the end of the outer conductor;
 - ii. removing a portion of the jacket from the outer conductor to expose a portion of the outer surface of the outer conductor; and
 - iii. removing a portion of the dielectric from within the end of the outer conductor to expose a portion of the inner surface of the outer conductor;
 - b. inserting the prepared end portion of the coaxial cable through a back nut of the coaxial connector;
 - c. flaring an end portion of said outer conductor to provide a flared portion having a length smaller than the outer diameter of the jacket;
 - d. engaging the exposed inner conductor of the coaxial cable with the center conductor of the coaxial connector;
 - e. placing the clamping surface of the outer body in close proximity to the flared portion of the outer conductor of the coaxial cable; and
 - f. securing the back nut of the coaxial connector to the outer body of the coaxial connector to clamp the flared portion of the outer conductor of the coaxial cable between the clamping surface and the back nut of the coaxial connector.
13. (new) The method recited by claim 12 wherein said step of securing the back nut to the outer body includes the step of axially displacing the back nut, and the flared portion of the outer conductor of the coaxial cable, toward said outer body.
14. (new) The method recited by claim 12 wherein:
- a. the back nut includes a threaded surface;
 - b. the outer body includes a threaded surface adapted to mate with the threaded surface of the back nut; and
 - c. the step of securing the back nut to the outer body includes the step of engaging the threaded surface of the back nut with the threaded surface of the outer body and rotating the back nut relative to the outer body to tighten the back nut onto the outer body.

1 15. (new) The method recited by claim 12 wherein the back nut comprises an integral
2 second clamping surface, and wherein said step of securing the back nut of the coaxial
3 connector to the outer body of the coaxial connector clamps the flared portion of the outer
4 conductor of the coaxial cable between the clamping surface of the outer body and the second
5 clamping surface of the back nut.
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28